

June 6, 1974

WA-17-0030

Memo to: Jim Knudson

From: Pat Lee

Subject: Survey at Crown Zellerbach at Port Townsend.



A short effluent survey was conducted at Crown Zellerbach in Port Townsend on March 18, 1974. Conductivity readings were taken from 003 but were undistinguishable from sea water due to the fact that all readings were off scale (>20,000) and thus non-measurable. A composite sample was taken for BOD from 003 which turned out to be 20 ppm. We split the composite samples from the Crown Z automatic samplers from the influent and effluent (004) from the clarifier with Crown Z personnel. These results were as follows:

	Crown Z			DOE		
	Influent	Effluent	% Red.	Influent	Effluent	% Red.
BOD					220	
T.S.S. Gooch				107	48	55
S.C.S. Gooch				98	45	54
T.S.S. Whatman "40"	86.	27.	69	96	36	62
S.C.S. Whatman "40"	81.	24.	70	72	29	60
Settleable Solids				8	Trace	99+

PL:jmh

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

DATA SUMMARY

ORIGINAL TO: P: lsc
COPIES TO:
.....
.....
LAB FILES

Source CROWN Z. @ Port Townsend

Collected By PML

Date Collected 3-18-74

Goal, Pro./Obj. _____

Log Number:	74- 848	849	850							STORET
Station:	003	CLARK INF	KIRK EFF							
pH										00403
Turbidity (JTU)										00070
Conductivity (umhos/cm)@25°C										00095
COD		206	187							00340
BOD (5 day)	20.	-	220.							00310
Total Coliform (Col./100ml)										31504
Fecal Coliform (Col./100ml)										31616
NO3-N (Filtered)										00620
NO2-N (Filtered)										00615
NH3-N (Unfiltered)										00610
T. Kjeldahl-N (Unfiltered)										00625
O-PO4-P (Filtered)										00671
Total Phos.-P (Unfiltered)										00665
Total Solids										00500
Total Non Vol. Solids										
Total Suspended Solids	-	107	48	.086	.027					00530
Total Sus. Non Vol. Solids	-	9	3	.005	.003					
SCS	-	98	45	.081	.024					
WHATMAN 40	-	96	36							
" " TENUS	-	24	7							
" " SCS	-	72	29							

Note: All results are in PPM unless otherwise specified. ND is "None Detected"
Convert those marked with a * to PPB (PPM X 10³) prior to entry into STORET

Summary By L. D. Roll Date 4-16-74